

**BLACKMER ROTARY VANE PUMP TRAINER, DEVICE 2H128****TRAINING CATEGORY:**

AVIATION (Aircraft Fueling Equipment)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2H128 is unclassified.

PURPOSE:

The trainer is an actual Blackmer Rotary Vane Pump cutaway to show internal components and operation.

INTENDED USE:

In Aviation Boatswain's Mate Fuel School for classroom training of enlisted personnel with varying degrees of proficiency in operation and maintenance of the Blackmer Rotary Vane Pump.

FUNCTIONAL DESCRIPTION:

The pump is cutaway so that the internal interaction of components can be studied by turning the hand crank. A clear plastic covering is installed for safety during operation. The actual components of the pressure control valve is mounted in the cutaway housing mounted in actual location on the pump. The rotor complete with vanes is 1/2 cutaway and mounted in the pump housing. The pump and components are placed on a frame type base with rubber tired casters.

PHYSICAL INFORMATION:

Number of Pieces: One (1) Stand Assembly

Size: 53" High x 34" Deep x 34" Long

Weight: 327 lbs.

POWER REQUIREMENTS:

120 VAC, 60 Hz, 3.5 amp capacity outlet

DIRECTORY OF NAVAL TRAINING DEVICES

PUBLICATIONS FURNISHED:

Operations and Maintenance Guide, Blackmer Rotary Vane Pump Trainer, Device 2H128, NAVTRASYS-CEN, P-5353-9 (U).

PERSONNEL:

Instructor: One (1), Chief or 1st Class PO graduate of Aviation Boatswain's Mate Fuel School with actual experience onboard an aircraft carrier.

Operator: Instructor-Operated.

Trainees: Class of up to 50

Maintenance: One (1) hour per 100 hour utilization. (Approximately every 2 months of use)

CONTRACT IDENTIFICATION:

Manufactured by United Scale Models Southwest, Inc., Houston, TX under NAVTRASYS-CEN, Orlando, FL Contract No. N61339-86-C-0136.

LOCAL STOCK NUMBER:

6910-LL-C00-6848